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NOTICE OF ALLOWANCE AND FEE(S) DUE

210

7590

06/25/2010

MERCK P O BOX 2000 RAHWAY, NJ 07065-0907 EXAMINER

RICCI, CRAIG D

ART UNIT PAPER NUMBER

1628

DATE MAILED: 06/25/2010

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
٠	10/593,950	05/10/2007	Wesley Blackaby	2I573YP	5436

TITLE OF INVENTION: HETEROARYL PIPERIDINE GLYCINE TRANSPORTER INHIBITORS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/27/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence including below or directed oth tions.	ng the Patent, advance nerwise in Block 1, by	orders and notification of m (a) specifying a new corres	paintenance fees woondence address;	ill be m and/or	nailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Blo	Fee(s) Transmittal. This rs. Each additional	certific paper,	cate cannot be used fo	domestic mailings of the r any other accompanying t or formal drawing, must	
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MERCK P O BOX 2000 RAHWAY, NJ (07065-0907	I her State addr trans	eby certify that thi is Postal Service wessed to the Mail mitted to the USPT	s Fee(s) ith suffi Stop 18 O (571)	of Mailing or Transn Transmittal is being icient postage for first SSUE FEE address a 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile te indicated below.	
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/593,950	05/10/2007	<u>'</u>	Wesley Blackaby	<u> </u>		21573YP	5436
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	09/27/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
RICCI, C	CRAIG D	1628	514-318000				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	' Indication form ed. Use of a Customer A TO BE PRINTED ON	registered attorney or a	ely, firm (having as a gent) and the name neys or agents. If norinted. e) tent. If an assignessignment.	member es of up no name	r a 2to to sis 3entified below, the do	cument has been filed for
Please check the appropr	iate assignee category or	categories (will not be	printed on the patent):	Individual 🖵 Co	rporatio	n or other private grou	up entity Government
	are submitted: To small entity discount p # of Copies	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Star a. Applicant claim	tus (from status indicated is SMALL ENTITY statu		☐ b. Applicant is no long	er claiming SMAL	L ENTI	ITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee an interest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accep tes Patent and Tradema	ted from anyone other than the rk Office.	ne applicant; a regis	tered at	torney or agent; or the	assignee or other party in
Authorized Signature	***			Date			
Typed or printed name				Registration No equired to obtain or retain a benefit by the public which is to file (and by the USPTO to process)			
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but	U.S.C. 122 and 37 CFI USPTO. Time will varden, should be sent to	tion is required to obtain or re R 1.14. This collection is esti ry depending upon the indivi the Chief Information Office R COMPLETED FORMS TO	mated to take 12 m dual case. Any cor r. U.S. Patent and T	ninutes t mments Fradema	to complete, including on the amount of tim ark Office, U.S. Depar	ggathering, preparing, and be you require to complete truent of Commerce, P.O.

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MERCK			RICCI, CRAIG D		
P O BOX 2000			ART UNIT	PAPER NUMBER	
RAHWAY, NJ 07	065-0907		1628		
		DATE MAILED: 06/25/2010			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 91 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 91 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/593,950	BLACKABY ET AL.				
Notice of Allowability	Examiner	Art Unit				
	CRAIG RICCI	1628				
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in or other appropriate commits application is	n this application. If not included unication will be mailed in due course. THIS				
1. This communication is responsive to <u>comments filed 3/03/</u>	<u>2010</u> .					
2. The allowed claim(s) is/are <u>4,6-11,14,18-20,22 and 23</u> .						
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicati	on No				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements				
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) hereto or 2) to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☑ Examiner's 8. ☑ Examiner's 9. ☐ Other	informal Patent Application Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowance				
/Brandon J Fetterolf/ Primary Examiner, Art Unit 1642	/CRAIG RICO Examiner, Art					

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric Thies on June 15, 2010.

The application has been amended as follows:

Cancel claims 26-27

2. The following is an examiner's statement of reasons for allowance:

The claimed invention is drawn to a compound of formula Ic. The compounds have been searched. The closest prior art is discussed in the previous Action, and discloses compounds substituted by methoxy (in place of chloro) and having a pyridyl group (in place of phenyl). Although it is asserted that both of the differences are *prima facie* obvious modifications, Applicant has demonstrated unexpected results in the instant case.

It is well settled that a showing of unexpected results is generally sufficient to overcome a *prima facie* case of obviousness. *In re Albrecht*, 514 F.2d 1389 (CCPA 1975). However, as recognized by the court in *In re Schulze*, 346 F.2d 600 (CCPA 1965), mere arguments are not sufficient to demonstrate unexpected results. Rather, unexpected results must be established by factual evidence by comparing the claimed invention with that of the closest prior art. *In re Burckel*, 592 F.2d 1175 (CCPA 1979). As discussed by the court in *In re De Blauwe*, 736 F.2d 699 (Fed. Cir. 1994), "the absence of tests comparing [Applicant's claimed invention] with those

of the closest prior art... constitute mere argument". In the instant case, Applicant has appropriately compared the claimed invention with that of the closest prior art and provide factual evidence which demonstrates that the claimed invention: provides greater than expected results as well as the absence of an expected property. A greater than expected result is evidence of nonobviousness. Similarly, the absence of an expected property possessed by the prior art is evidence of nonobviousness. *Ex parte Mead Johnson and Co.*, 227 USPQ 78 (Bd. Pat. App. & Inter. 1985). In the instant case, the factual evidence is deemed **sufficient** to rebut the *prima facie* case of obviousness.

Furthermore, the compounds are considered enabled and contain written support.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CRAIG RICCI whose telephone number is (571) 270-5864. The examiner can normally be reached on Monday through Thursday, and every other Friday, 7:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Padmanabhan "Paddy" Sreenivasan can be reached on (571) 272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/593,950

Art Unit: 1628

Information regarding the status of an application may be obtained from the Patent

Page 4

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CRAIG RICCI/

Examiner, Art Unit 1628

/Brandon J Fetterolf/

Primary Examiner, Art Unit 1642